



### **General information**

Description	Leukocytes and sera from patients with transitional cell carcinoma were cytotoxic to T24 and related lines.
Organism	Human
Tissue	Bladder
Disease	Carcinoma
Synonyms	T-24, T 24

### **Characteristics**

Age	82 years
Gender	Female
Ethnicity	Caucasian
Morphology	Epithelial-like
Growth properties	Adherent

## Identifiers / Biosafety / Citation

Citation	T24 (Cytion catalog number 300352)
Biosafety level	1

# **Expression / Mutation**

Antigen expression	HLA A1, A3, B18, Bw35, Cw4, DRw2, Dw4
Isoenzymes	Me-2, 1-2, PGM3, 1, PGM1, 1, ES-D, 1, AK-1, 1, GLO-1, 1, G6PD, B, Phenotype Frequency Product: 0.0216
Oncogenes	H-ras+



# T24 Cells | 300352





#### Handling of cryopreserved cultures

- 1. Confirm that the vial remains deeply frozen upon delivery, as cells are shipped on dry ice to maintain optimal temperatures during transit.
- 2. Upon receipt, either store the cryovial immediately at temperatures below -150°C to ensure the preservation of cellular integrity, or proceed to step 3 if immediate culturing is required.
- 3. For immediate culturing, swiftly thaw the vial by immersing it in a 37°C water bath with clean water and an antimicrobial agent, agitating gently for 40-60 seconds until a small ice clump remains.
- 4. Perform all subsequent steps under sterile conditions in a flow hood, disinfecting the cryovial with 70% ethanol before opening.
- 5. Carefully open the disinfected vial and transfer the cell suspension into a 15 ml centrifuge tube containing 8 ml of room-temperature culture medium, mixing gently.
- 6. Centrifuge the mixture at 300 x g for 3 minutes to separate the cells and carefully discard the supernatant containing residual freezing medium. Optionally, skip centrifugation but remove any remaining freezing medium after 24 hours.
- 7. Gently resuspend the cell pellet in 10 ml of fresh culture medium. For adherent cells, divide the suspension between two T25 culture flasks; for suspension cultures, transfer all the medium into one T25 flask to promote effective cell interaction and growth.
- 8. Adhere to established subculture protocols for continued growth and maintenance of the cell line, ensuring reliable experimental outcomes.

## Quality control / Genetic profile / HLA

#### **Sterility**

Mycoplasma contamination is excluded using both PCR-based assays and luminescence-based mycoplasma detection methods.

To ensure there is no bacterial, fungal, or yeast contamination, cell cultures are subjected to daily visual inspections.



## T24 Cells | 300352

STR profile Amelogenin: x,x

**CSF1PO**: 10,12 **D13S317**: 12 **D16S539**: 9 **D5S818**: 10,12 **D7S820**: 10,11 **TH01**: 6 **TPOX**: 8,11 **vWA**: 17,19 **D3S1358**: 16 **D21S11**: 29 **D18S51**: 16,18 **Penta E**: 7,10 **Penta D**: 11,15 **D8S1179**: 9,14 **FGA**: 17,22 **D1S1656**: 12,15 **D6S1043**: 11 **D2S1338**: 20,23 **D12S391**: 17,18 **D19S433**: 13,14

### **HLA alleles A\***: 01:01:01

B\*: 18:01:01 C\*: 05:01:01 DRB1\*: 03:01:01 DQA1\*: 05:01:01 DQB1\*: 02:01:01 DPB1\*: 04:01:01 E: 01:01:01